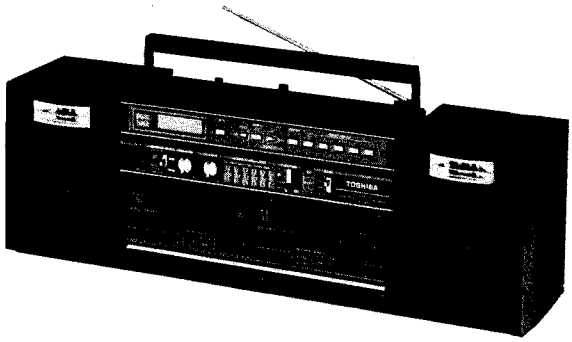
SERVICE DATA
FILE NO. 110-535

TOSHIBA

STEREO RADIO CASSETTE RECORDER

RT-7066



SPECIFICATIONS

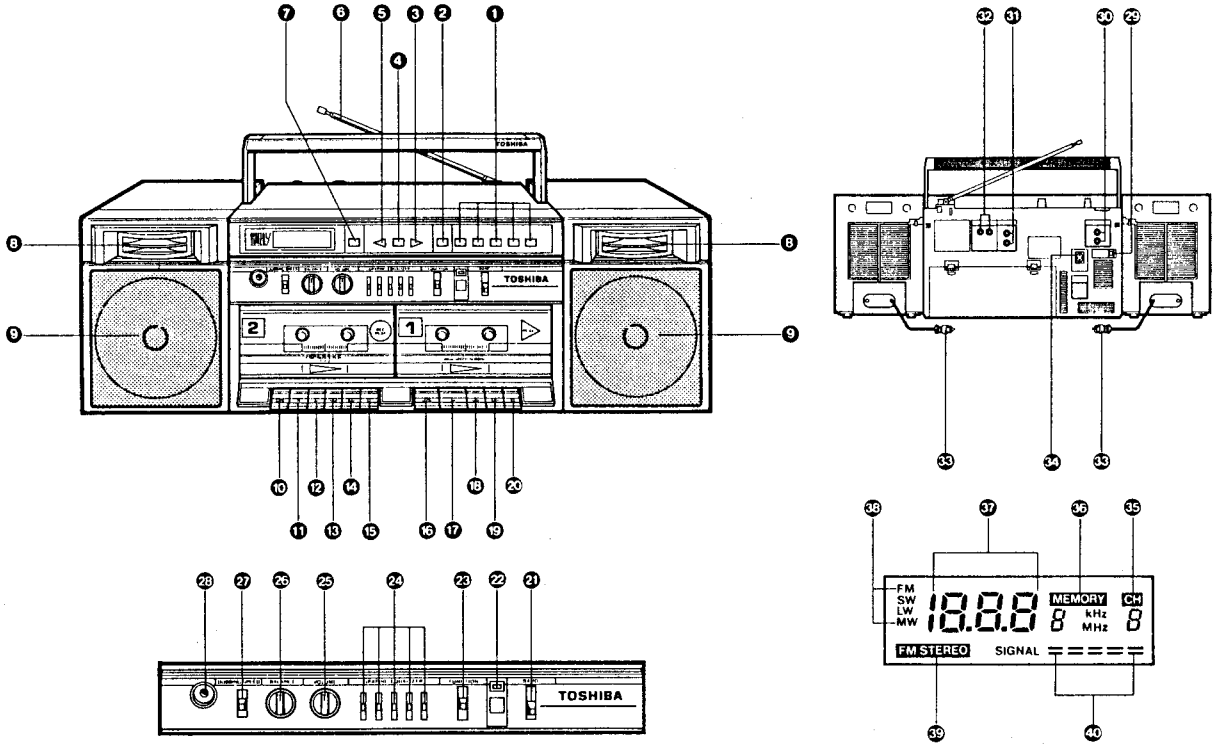
Cassette Tape Used:	Normal: C-30 ∿ C-90
Tape Speed:	4.8 cm/sec.
Track System:	Four-track two-channel stereo-phonic
Recording System:	AC bias
Erasing System:	Magnet erasing
Frequency Response:	60 Hz to 12 kHz
Receiving Frequency:	FM: 87.5 MHz to 108 MHz (0.05 MHz steps)
	SW: 5.95 MHz to 15.6 MHz (0.005 MHz steps)
	MW: 531 kHz to 1602 kHz (9 kHz steps)
	LW: 146 kHz to 281 kHz (1 kHz steps)
Intermediate Frequency:	FM: 10.7 MHz
	LW/MW/SW: 450 kHz
Antenna:	FM/SW: telescopic antenna
	LW/MW: ferrite-core antenna
Speakers:	120mm (dia.) dynamic x 2
	15mm (dia.) piezo-electric type x 2
Jacks:	[MIC] jack x 2, Impedance 200 ohm to 2K ohm
	[AUX/CD] jack x 2
	[SPEAKER] jack x 2
	[PHONES] jack x 1
Power Supply:	AC 220V, 50 Hz (Europe)
	AC 240V, 50 Hz (U.K.)
	DC 12V IEC R20 ("D" cell) x 8
For Memory Back-Up:	DC 3V IEC R6 ("AA" cell) x 2
Power Consumption:	17W
Dimensions:	602(W) x 194.5(H) x 158.5(D) mm
Weight:	4.0 kg (without batteries)

Specifications are subject to change without notice.

K-TE, TU

PRINTED IN JAPAN 22905633 Aug., 1986 (S)

1. OPERATING CONTROLS



Location of Controls

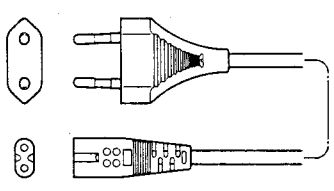
❶ [PRESET STATION] Buttons
❷ [MEMORY] Button
❸ [MANUAL UP] Button
❹ [FM/SW/MW FAST] Button
❺ [MANUAL DOWN] Button
❻ Telescopic Antenna
❼ [AUTO] Button
❽ Tweeter Speakers
❾ Woofer Speakers
❿ ⓰ [STOP/EJECT] Button
⓫ [RECORD] Button
⓬ ⓱ [PLAY] Button
⓭ ⓲ [REW] Button
⓮ ⓳ [FF] Button
⓯ ⓴ [PAUSE] Button
㉑ [BAND] Selector
㉒ [BATTERY] Indicator
㉓ [FUNCTION] Selector

Note: "TAPE/RADIO OFF" position
This unit remains connect to mains supply in the "TAPE/RADIO OFF" position. Disconnect the power cord when the unit is not going to be used for a long time.

㉔ [GRAPHIC EQUALIZER] Controls
㉕ [VOLUME] Control
㉖ [BALANCE] Control
㉗ [DUBBING SPEED/FM MODE]/ AM SENS Selector
㉘ [PHONES] Jack
㉙ [BEAT] Selector
㉚ [SPEAKER] Jacks
㉛ [AUX/CD] Jacks
㉜ [MIC] Jacks
㉝ Speaker Plug
㉞ [AC POWER] Socket

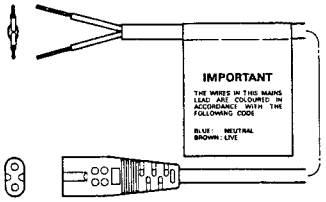
㉟ [CH] Indicator
㊱ [MEMORY] Indicator
㊲ Frequency Display
㊳ Band Indicator
㊴ [FM STEREO] Indicator
㊵ [SIGNAL] Indicator

TOSHIBA STEREO RADIO
CASSETTE RECORDER
MODEL NO. RT-7066
POWER SOURCE AC 220V ~ 50Hz 17W
DC 12V ⎓
FOR MEMORY DC 3V ⎓
TOSHIBA CORPORATION
MADE IN JAPAN
FREQ RANGE FM 87.5~108 MHz
SW 5.95~15.6 MHz
MW 531~1602 kHz
LW 146~281 kHz
A629 006U
25809611



Europe

TOSHIBA STEREO RADIO
CASSETTE RECORDER
MODEL NO. RT-7066
POWER SOURCE AC 240V ~ 50Hz 17W
DC 12V ⎓
FOR MEMORY DC 3V ⎓
TOSHIBA CORPORATION
MADE IN JAPAN
FREQ RANGE FM 87.5~108 MHz
SW 5.95~15.6 MHz
MW 531~1602 kHz
LW 146~281 kHz
25809612



U.K.

2. DISASSEMBLY INSTRUCTIONS

FRONT CABINET REMOVAL

1. Open the cassette cover by pressing the Eject/Stop buttons (Tape 1 and 2).
2. Remove five screws Ⓐ , and the Front Cabinet will be removed.

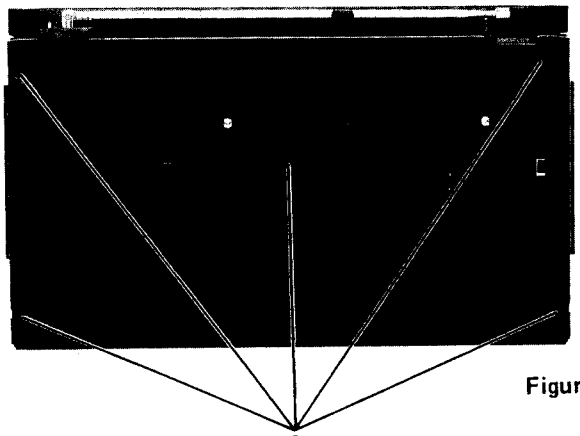


Figure 1

Ⓐ φ3 x 25mm

MECHANISM ASSEMBLY REMOVAL

1. Remove the front cabinet.
2. Remve five screws Ⓑ , and the Mechanism Assembly will be removed.

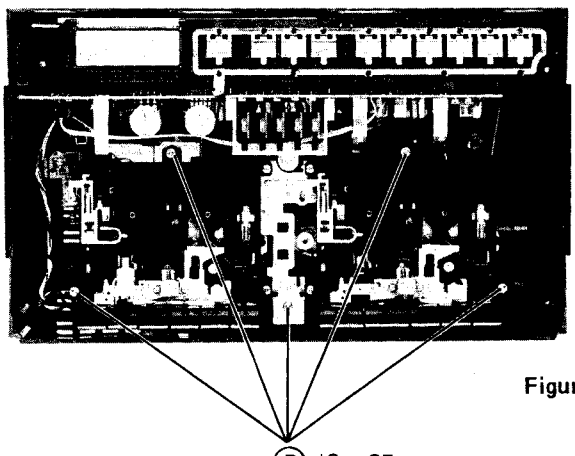


Figure 2

Ⓑ φ3 x 25mm

MAIN P.C. BOARD REMOVAL

1. Remove the front cabinet.
2. Remove the mechanism assembly.
3. Remove two screws Ⓒ , and the Main P.C. Board will be removed.

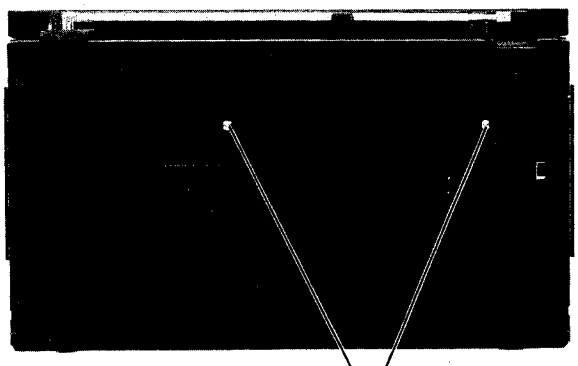


Figure 3

Ⓒ φ3 x 10mm

3. ADJUSTMENTS INSTRUCTIONS

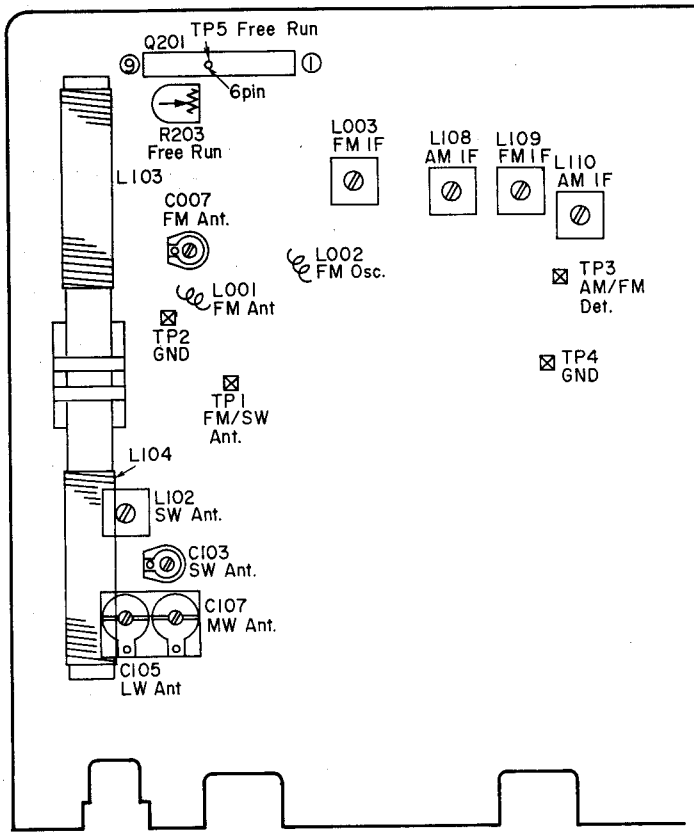


Figure 4

AM ALIGNMENT

1. Turn on the AM signal generator and the VTVM allowing a fifteen-minute warm-up period.
2. Using the test loop across the output of the signal generator, inductively connect the signal generator to the radio.
3. Connect the VTVM across the headphone jack.
4. Set signal generator frequency as listed in ALIGNMENT CHART and maintain a sufficient output level to provide an indication on VTVM.
5. Set volume control at mid-position.
6. Proceed as outlined in the IF-MW, LW and SW ALIGNMENT CHART.

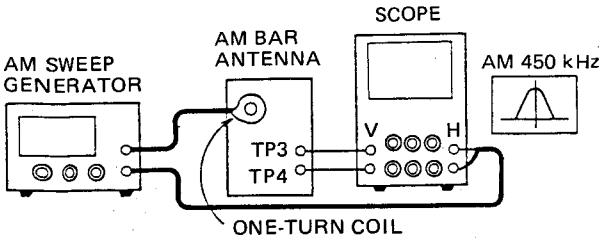


Figure 5

Note: 1. Use a screwdriver with plastic grip for all adjustments.
2. Standard test frequency 400 Hz and modulation 30% for AM.
3. Standard test frequency 400 Hz and deviation 22.5 kHz for FM.

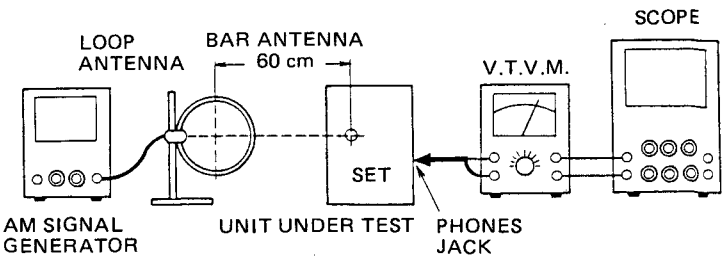


Figure 6

MW ALIGNMENT CHART (Figures 5 and 6)

Band	Step	Signal Generator Frequency	Digital Tuner Setting	Adjustment	Remarks
IF	1	450 kHz	Keep pushing UP or Down Button until the lowest frequency is obtained.	L108, L110	Adjust for maximum indication.
MW	2	603 kHz	Tune to Signal.	Ant. Coil L104	Adjust for maximum indication.
	3	1404 kHz	Tune to Signal.	Ant. Trim. C107	Adjust for maximum indication.
	4	Repeat steps 2 and 3 as required.			

LW ALIGNMENT CHART (Figure 6)

Band	Step	Signal Generator Frequency	Radio Dial Setting	Adjustment	Remarks
LW	1	164 kHz	Tune to Signal.	Ant. Coil L103	Adjust for maximum indication.
	2	263 kHz	Tune to Signal.	Ant. Trim. C105	Adjust for maximum indication.
	3	Repeat steps 1 and 2 as required.			

SW ALIGNMENT CHART (Figure 7)

Band	Step	Signal Generator Frequency	Digital Tuner Setting	Adjustment	Remarks
SW	1	6.5 MHz	Tune to Signal.	Ant. Coil L102	Adjust for maximum indication.
	2	14 MHz	Tune to Signal.	Ant. Trim. C103	Adjust for maximum indication.
	3	Repeat steps 1 and 2 as required.			

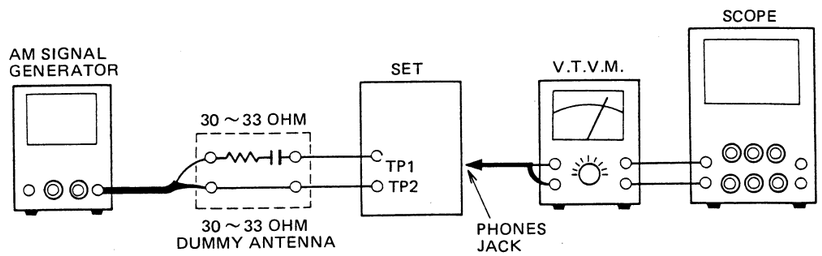


Figure 7

FM-IF ALIGNMENT

1. Set the select switch to FM position.
2. Turn on both sweep generator and oscilloscope, and allow a fifteen-minute warm-up period.
3. Connect the RF SWEEP SIGNAL OUTPUT from the signal generator through the loop antenna to the receiver.
4. Connect the oscilloscope vertical input directly to the test point TP3 and connect the shielded lead to the test point 4 or chassis ground.
5. Connect the SWEEP VOLTAGE OUTPUT of the sweep generator to the oscilloscope.
6. Proceed as outlined in the FM-IF ALIGNMENT CHART.

FM-IF ALIGNMENT CHART (Figure 8)

Step	Signal coupling	Equip.	Tuning	Connection	Adjust. point	Pattern
1	Connect sweep generator output to a three-turn loop antenna of 3 cm diameter.	Sweep generator of 10.7 MHz center freq. with 10.7 MHz marker.	Keep pushing UP or Down Button until the lowest frequency is obtained.	Set scope for connecting output signal from TUN OUT to vertical axis of scope "V" and sweep generator output to horizontal axis "H".	L003 L109	Turn the IF Transformer L109 fully counterclockwise to obtain a single peak. Adjust coil L003 in order until the best single peak is obtained. Figure 9. Finally turn the coil L109 to obtain S curve. See Figure 10.

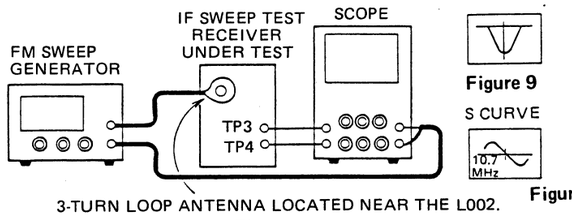


Figure 8

Figure 9

CAUTION:
When realigning the FM Receiving Frequency, the highest end of the frequency range should not be more than 108 MHz and the lowest end of the frequency range should not be less than 87.5 MHz, in order to comply with FTZ regulations in West Germany.

Figure 10

FM-RF ALIGNMENT

1. Turn on the signal generator and the VTVM, and allow a fifteen-minute warm-up period.
2. Connect the signal generator output through a 75 ohm dummy antenna across FM ANT.
3. Connect the VTVM across the voice coil or headphone jack.
4. Set the volume control to mid-position.
5. Adjust the signal generator frequency as indicated in FM-RF ALIGNMENT CHART, and maintain a sufficient signal output level to provide a measurable indication.
6. Proceed as outlined in the FM-RF ALIGNMENT CHART.

FM-RF ALIGNMENT CHART (Figure 11)

Step	Signal Generator	Digital Tuner Setting	Adjustment	Remarks
1	90 MHz	Tune to Signal.	Ant. Coil L001	Adjust for maximum output indication.
2	106 MHz	Tune to Signal.	Ant. Trim. C007	Adjust for maximum output indication.
3	Repeat steps 1 and 2 as required.			

FREE RUN FREQUENCY ALIGNMENT

Adjust R203 under no signal condition so as to obtain 38 kHz ± 75 Hz. (Figure 12)

RECORD/PLAYBACK HEAD ADJUSTMENT

A 6.3 kHz test tape must be used for this adjustment. Connect a VTVM or an oscilloscope to the headphones jack or speaker terminal and adjust the azimuth by using a philiips screwdriver to maintain the maximum output voltage.

TAPE SPEED ADJUSTMENT

Push the play switch of TAPE 1 and adjust R810 to obtain 3000 ± 20 Hz.

TAKE-UP/SUPPLY REEL TENSION

1. Insert cassette torque meter (HARTAK X-87 Torquette).
2. Press PLAY button and read torque meter. Torque should be 30 to 60 gcm.
3. Release PLAY button and press REWIND button. Torque should be 75 to 150 gcm. If necessary, clean take-up reel or driver belt with alcohol, or replace belt.

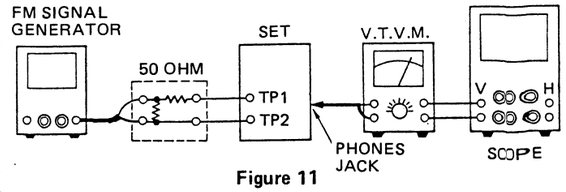


Figure 11

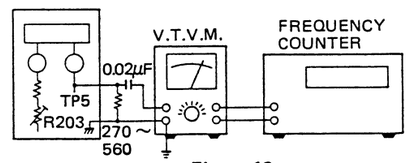


Figure 12

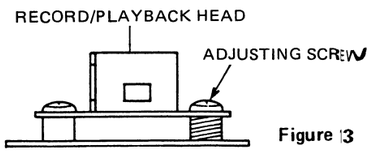
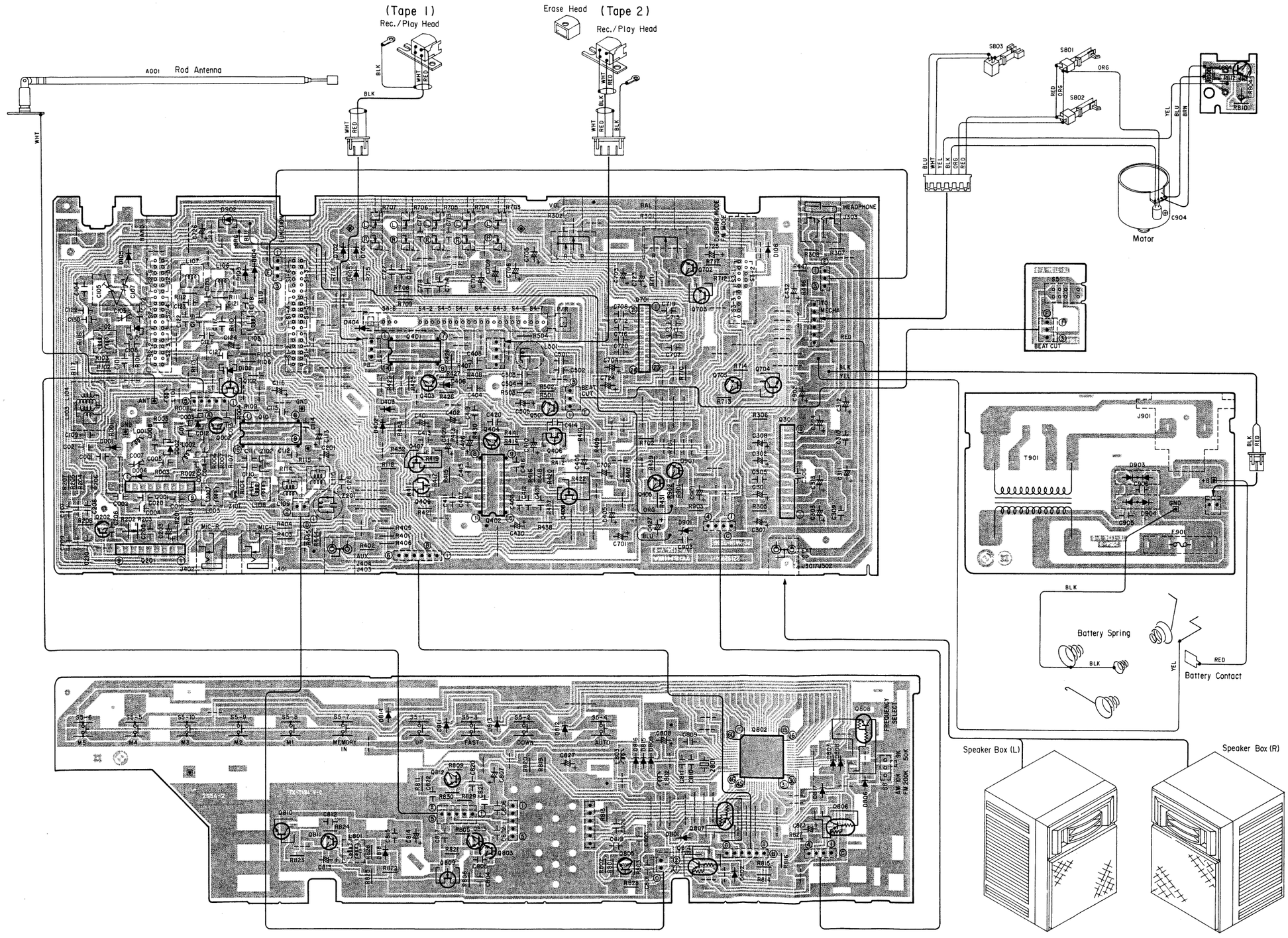


Figure 13

4. ELECTRICAL PARTS LOCATIONS



Q001

1	0.8V
2	1.5V
3	4.2V
4	1.5V
5	0V
6	4.5V
7	3.7V
8	4.3V
9	4.5V

Q002

E	0V
C	2.6V
B	0.7V

Q101

1	0V
2	0V
3	5.3V
4	1.3V
5	1.3V
6	0.4V
7	0V
8	0V
9	1.0V
10	4.6V
11	4.6V
12	4.6V
13	1.2V
14	1.2V
15	1.2V
16	4.6V

Q102

	DX	Local
E	0V	0V
C	0V	0.5V
B	0V	0V

Q201

1	0.2V
2	4.1V
3	4.6V
4	4.4V
5	0V
6	4.5V
7	4.1V
8	0.9V
9	0.9V

Q202

E	5.2V
C	5.2V
B	4.0V

Q301

1	11.6V
2	6.0V
3	6.6V
4	0.7V
5	0V
6	0V
7	0V
8	0.7V
9	0V
10	6.0V
11	11.6V
12	12.0V

Q401

	Tape 1 Play	Tape 2 Play
1	0V	0V
2	0V	0V
3	0V	0V
4	0V	0V
5	0V	5.7V
6	0V	5.7V
7	0V	0V
8	0V	0V
9	0V	0V
10	0V	0V
11	0V	0V
12	5.1V	0V
13	5.1V	0V
14	6.9V	6.9V

Q402

	Tape Rec./Play	Radio Mic Aux
1	0V	0V
2	6.3V	7.0V
3	0V	0.2V
4	2.4V	3.1V
5	1.4V	1.2V
6	1.3V	1.3V
7	0V	0V
8	0V	1.1V
9	0V	0V
10	0V	0V
11	1.3V	1.3V
12	1.4V	1.2V
13	2.3V	3.1V
14	0V	7.6V
15	1.0V	0V
16	7.6V	7.6V

Q403

	Tape 1 Play	Tape 2 Play
E	0V	0V
C	0V	6.5V
B	0.7V	0V

Q404

	Tape, Aux Mic	Radio
E	0V	0V
C	0V	0.9V
B	0.7V	0.2V

Q405

E	6.2V
C	8.2V
B	6.9V

Q406

	Tape	Radio, Aux Mic
D	1.3V	1.3V
G	0V	1.8V
S	1.4V	1.3V

Q407

	Tape	Radio, Aux Mic
D	1.4V	1.3V
G	0V	1.8V
S	1.3V	1.3V

Q408, 409

	Tape, Radio Aux, Mic	Double Speed
D	1.4V	1.4V
G	0V	1.8V
S	1.4V	1.4V

Q501

	Rec
E	1.0V
C	5.0V
B	0.6V

Q701

1	6.0V
2	6.0V
3	6.5V
4	6.5V
5	6.0V
6	6.0V
7	6.5V
8	6.5V
9	6.0V
10	6.0V
11	6.5V
12	6.5V
13	6.0V
14	6.0V
15	6.5V
16	6.5V
17	4.3V
18	2.6V
19	2.5V
20	4.3V
21	3.2V
22	3.2V
23	6.9V
24	0V

Q702

E	0V
C	0V
B	0V

Q703

E	0V
C	0V
B	0.7V

Q704

	Tape, Radio Aux, Mic	Double Speed
E	0V	0V
C	0.7V	10.5V
B	0.7V	0V

Q705

	Tape, Radio Aux, Mic	Double Speed
E	0V	0V
C	0.7V	0V
B	0V	0.7V

Q801

1	0V
2	2.2V
3	0V
4	0V
5	0V
6	0V
7	0V
8	2.1V
9	0.2V
10	4.5V
11	0V
12	0V
13	0V
14	4.8V
15	0V
16	1.0V
17	1.0V
18	0V
19	2.1V
20	0V
21	2.1V
22	5.1V

Q802

1	2.4V	31	0.3V
2	2.4V	32	0.2V
3	2.4V	33	0.2V
4	2.4V	34	3.4V
5	2.4V	35	0.4V
6	2.4V	36	1.4V
7	2.4V	37	0V
8	2.4V	38	0V
9	2.4V	39	0V
10	2.4V	40	0V
11	2.4V	41	4.8V
12	2.4V	42	0V
13	2.4V	43	0V
14	2.4V	44	0V
15	2.4V	45	0V
16	2.4V	46	2.4V
17	2.4V	47	4.8V
18	2.4V	48	4.7V
19	2.4V	49	0V
20	2.4V	50	2.0V
21	2.4V	51	2.1V
22	2.4V	52	0V
23	4.8V	53	4.8V
24	0V	54	2.3V
25	0.2V	55	2.3V
26	0.2V	56	2.3V
27	0.2V	57	2.3V
28	0.2V	58	2.3V
29	0.2V	59	2.3V
30	0.2V	60	2.3V

Q803

E	0V
C	9.0V
B	1.0V

Q805

E	0V
C	0V
B	0V

Q806

E	5.0V
C	0V
B	4.7V

Q807

E	5.0V
C	0V
B	5.0V

Q808

E	0V
C	3.3V
B	0V

Q809 Radio

D	9.4V
G	9.0V
S	11.6V

Q810

E	0V
C	0.6V
B	0.6V

Q811

E	0V
C	5.2V
B	0.6V

Q812

E	0V
C	3.1V
B	0.7V

Q813

E	0V
C	9.0V
B	1.0V

Q814

E	0V
C	0V
B	0V

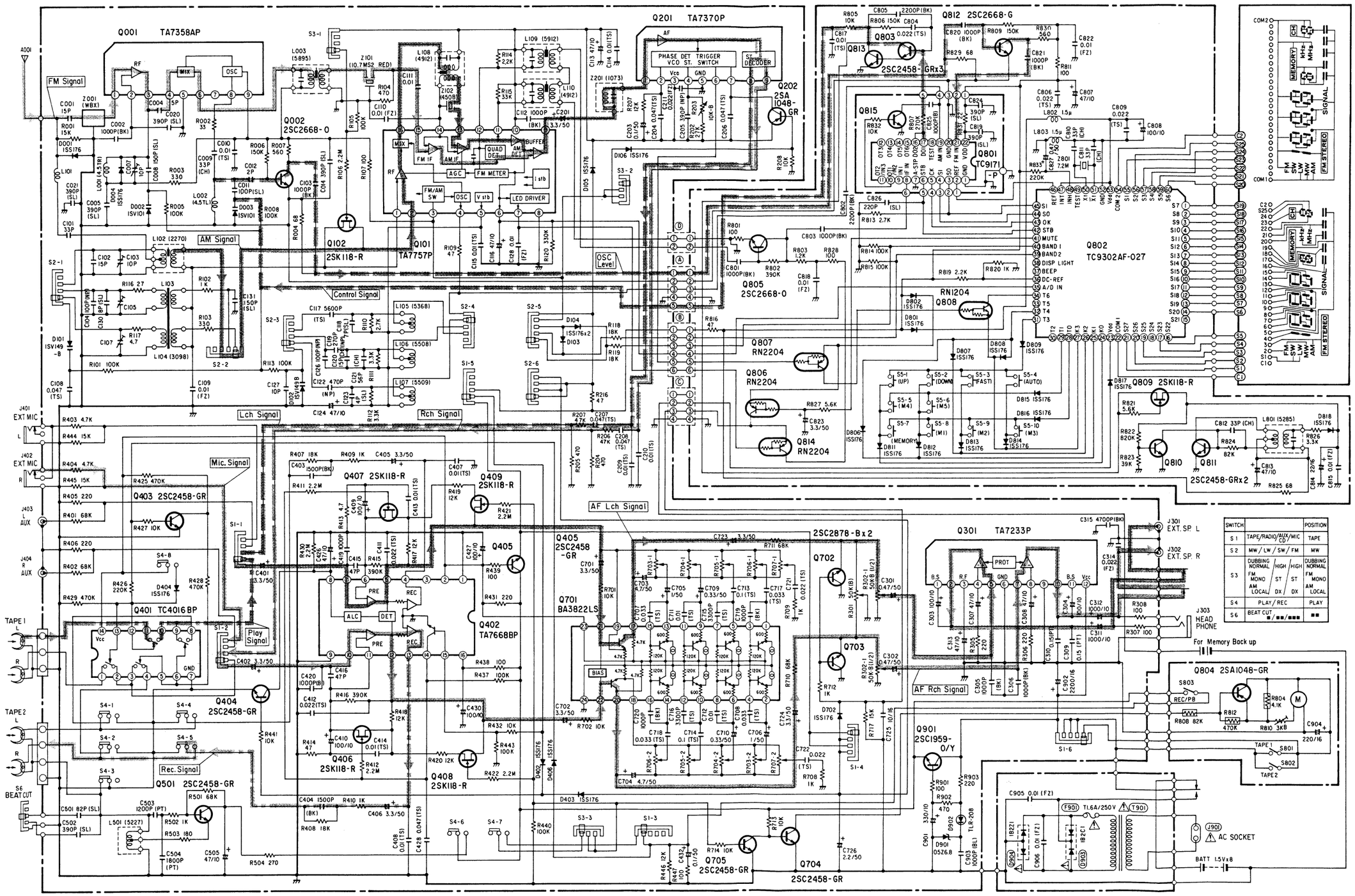
Q815 Radio

E	0V
C	0V
B	0.6V

Q901

E	8.2V
C	12.0V
B	8.9V

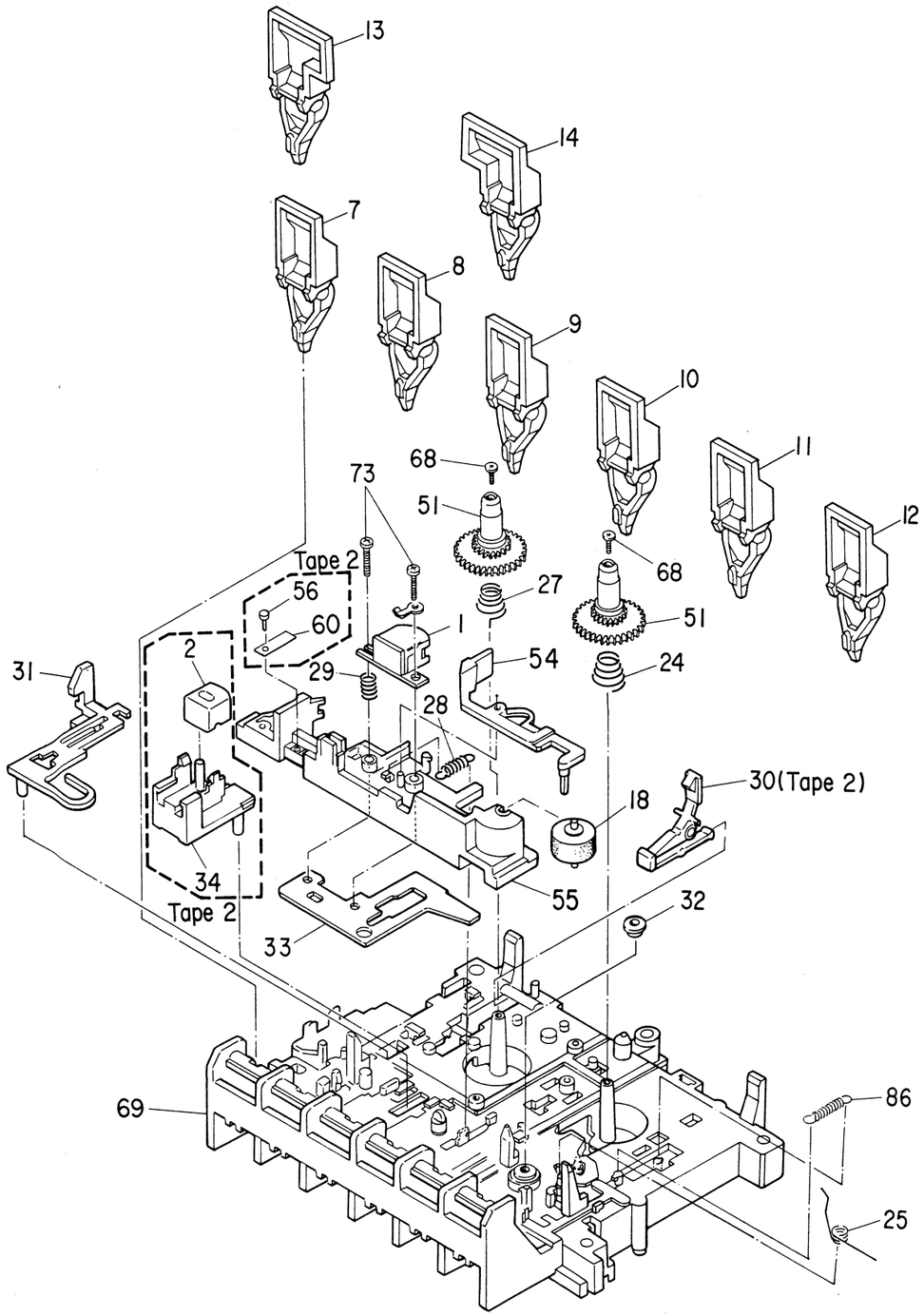
5. SCHEMATIC DIAGRAM



SWITCH		POSITION
S1	TAPE/RADIO/AUX/MIC CD	TAPE
S2	MW / LW / SW / FM	MW
S3	DUBBING NORMAL / HIGH / HIGH FM MONO AM LOCAL / ST DX / ST DX	DUBBING NORMAL FM MONO AM LOCAL
S4	PLAY / REC	PLAY
S6	BEAT CUT ■/■■/■■■	■■

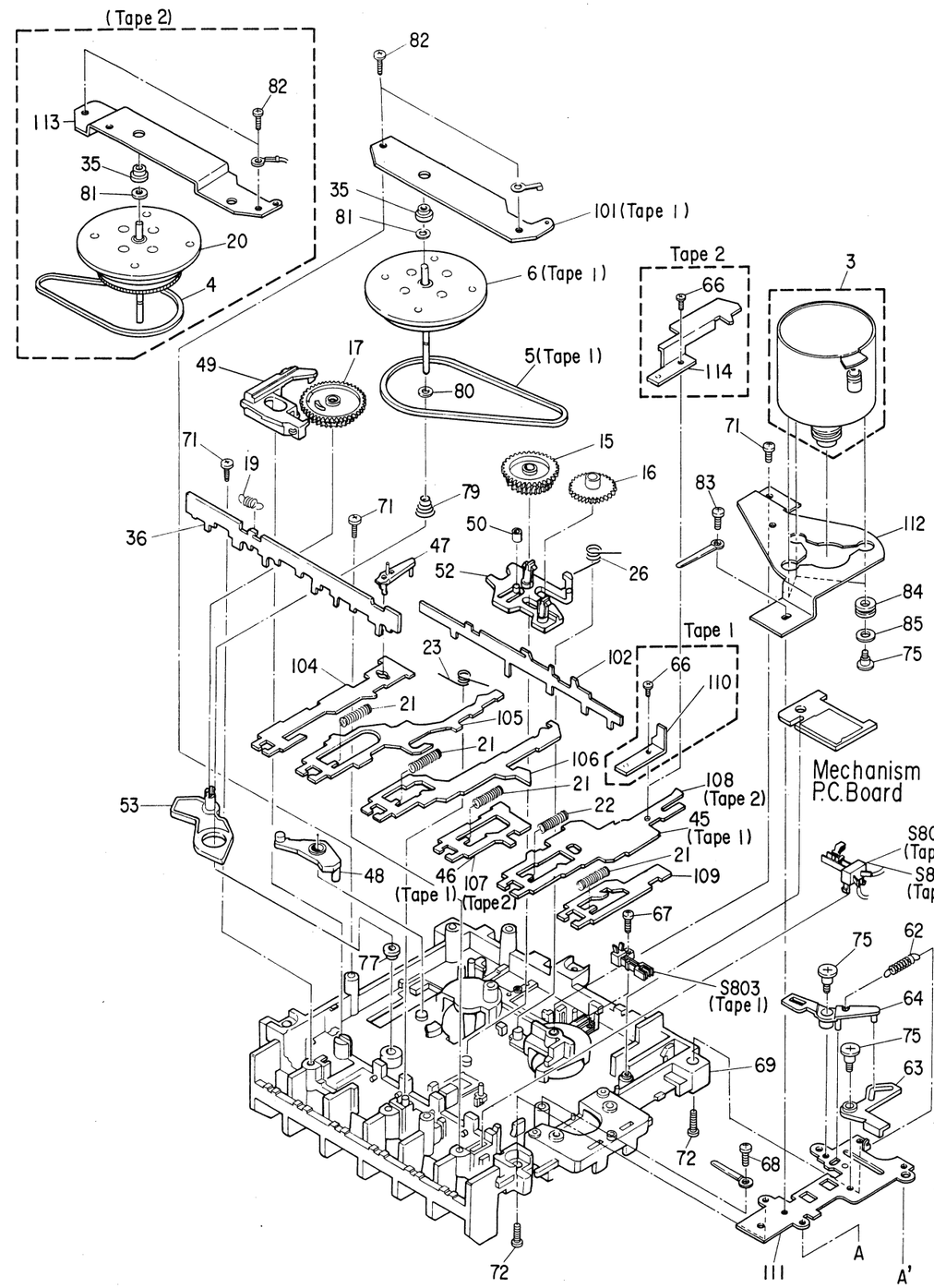
CAUTION:
The ⚠ mark, the Location No. circled with oval in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

6. MECHANISM EXPLODED VIEW (UPPER)



NOTE: Parts excluded in the parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

7. MECHANISM EXPLODED VIEW (LOWER)



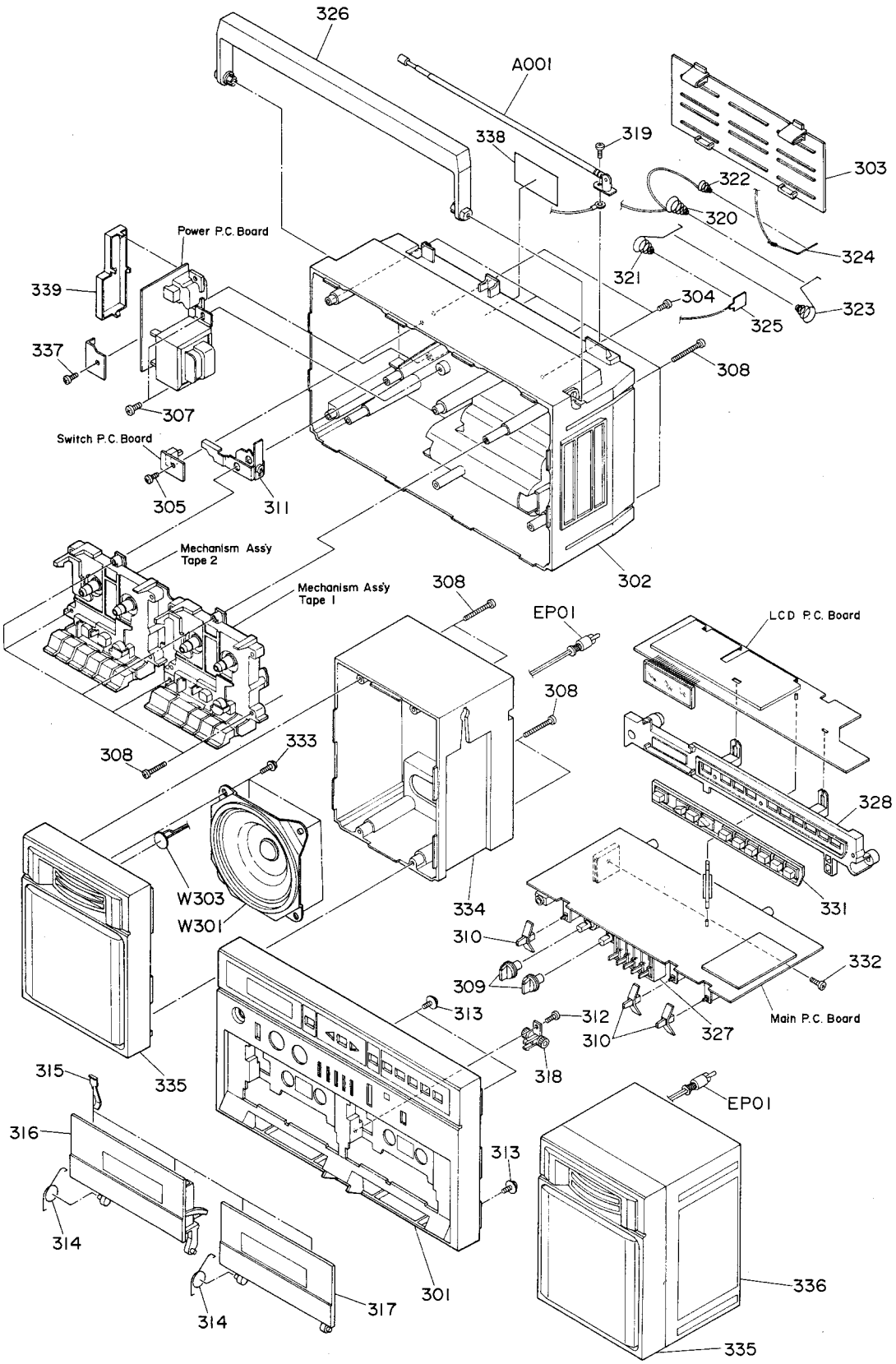
NOTE: Parts excluded in the parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

8. MECHANISM PARTS LIST

Location No.	Part No.	Description
1	22217493	Head, Record/Playback
2	22218240	Head, Erase (Tape 2)
3	25792149	Motor Ass'y
4	25759135	Belt, Drive (Tape 2)
5	25759080	Belt, Drive (Tape 1)
6	25797144	Flywheel Ass'y (Tape 1)
7	25784443	Button, Stop/Eject (Tape 2)
8	25784444	Button, Record (Tape 2)
9	25784445	Button, Play (Tape 2)
10	25784446	Button, REW
11	25784447	Button, FF
12	25784448	Button, Pause
13	25784449	Button, Stop/Eject (Tape 1)
14	25784450	Button, Play (Tape 1)
15	25793003	Clutch Ass'y
16	25756507	Gear, High Speed
17	25713599	Gear Ass'y, Take-up
18	25797114	Pressure Roller
19	25776900	Spring
20	25797145	Flywheel Ass'y (Tape 2)
21	25777512	Spring, Operation Plate
22	25777513	Spring, Opoeration Plate, Record
23	25778353	Spring, Lock Slider
24	25777511	Spring, Back Tension
25	25778323	Spring, Take-up Lever
26	25778422	Spring, High Speed Lever
27	25777564	Spring, Reel Plate
28	25776899	Spring
29	25777137	Spring, Azimuth
30	25784377	Lever, Record Lock (Tape 2)
31	25784378	Slider, Eject
32	25752233	Holder
33	25737163	Mtg. Plate, Head
34	25781309	Mtg. Plate, Erase Head (Tape 2)
35	25725504	Holder, ST.
36	25749127	Plate, Stop
45	25749175	Slider, Record (Tape 1)
46	25749149	Operation Plate, Play (Tape 1)
47	25784375	Lever, Lock
48	25784376	Lever, Pause
49	25784381	Lever, ASO
50	25733494	Spacer
51	25754507	Reel Plate
52	25784379	Lever, High Speed
53	25784380	Lever, Take-up
54	25784383	Lever, ASO Detect
55	25784384	Slider, Head
56	25723547	Pin (Tape 2)
62	25776959	Spring

Location No.	Part No.	Description
63	25784485	Lever, Release
64	25784486	Lever, Operation
66	22707426	Screw, BID Hd. 2d x 5mml
67	22707870	Screw, PAN Hd. Tapping 2d x 8mml
68	22708205	Screw, TXPAN Hd. Tapping 1.7d x 6mml
69	25781322	Chassis, Main, Mechanism
71	22707301	Screw, BID Hd. Tapping 2.6d x 8mml
72	22707700	Screw, BID Hd. 2.6d x 14mml
73	22708527	Screw, BID Hd. 2d x 8mml
75	22708610	Screw, Special, 2.6d x 1.8/3.5mml
77	25726796	Spacer
79	25777606	Spring, Flywheel
80	25766344	Washer
81	25766337	Washer, 2.1d x 5.5d x 0.5t
82	22707298	Screw, BID Hd. Tapping 2d x 6mml
83	22707366	Screw, BID Hd. 2.6d x 6mml
84	25761547	Cushion, Motor
85	25766228	Washer, Motor
86	25776938	Spring

9. CABINET EXPLODED VIEW



NOTE: Parts excluded in the parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

10. CABINET PARTS LIST

Location No.	Part No.	Description
301	25885804	Front Cabinet Ass'y, K
302	25885806	Back Cabinet Ass'y, K
303	25885881	Cover, Battery
304	22707799	Screw, BID Hd. Tapping 3d x 10mml, Chrome
305	22707826	Screw, BID Hd. Tapping 3d x 10mml
307	22708007	Screw, BID Hd. Tapping 4d x 10mml
308	22708603	Screw, BID Hd. Tapping 3d x 25mml
309	25886204	Knob, Volume/Balance
310	25886814	Knob, Lever Switch
312	22707802	Screw, BID Hd. Tapping 3d x 12mml
313	22708048	Screw, PAN Hd. 3d x 10mml with Washer
314	25778399	Spring, Cassette Cover
316	25887057	Cassette Cover, Left
317	25887058	Cassette Cover, Right
318	25883722	Damper Ass'y
319	22708185	Screw, BID Hd. Tapping 3d x 12mml, Nickel
320	22771355	Spring, Battery
321	25777124	Spring, Battery
322	5777236	Spring, Battery
323	25777575	Spring, Battery
324	25848087	Contact, Battery
325	25864166	Contact, Battery
326	25885780	Handle Ass'y
327	22714483	Frame, Equalizer
328	22714499	Frame, Tuner
331	25886915	Button, Tuning
332	22708554	Screw, BID Hd. Tapping 3d x 6mml
333	22707852	Screw, PAN Hd. Tapping 3d x 12mml with Washer
334	25884590	Back Speaker, Left
335	25885794	Front Speaker Ass'y
336	25884592	Back Speaker, Right
337	22707913	Screw, BID Hd. Tapping 2.6d x 6mml
338	25809611	Name Label, Europe
338	25809612	Name Label, U.K.

Location No.	Part No.	Description

11. PARTS LIST

CAUTION:
The ⚠ mark, the Location No. circled with oval in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

Location No.	Part No.	Description
TRANSISTORS, ICS & DIODES		
Q001	B0325502	IC, TA7358AP
Q002, 805, 812	A6332530	Transistor, 2SC2668-O
Q101	B0358070	IC, TA7757P
Q102, 406, 407, 408, 409, 809	A6041970	Transistor, 2SK118NEW-R
Q201	B0325620	IC, TA7370P
Q202, 804	A6534440	Transistor, 2SA1048-GR
Q301	B0319970	IC, TA7233P
Q401	B0470162	IC, TC4016BP
Q402	B0356695	IC, TA7668BP
Q403, 404, 405, 501, 704, 705, 803, 810, 811, 813, 815	A6332440	Transistor, 2SC2458-GR
Q701	22117823	IC, BA3822LS
Q702, 703	A6342210	Transistor, 2SC2878-B
Q801	B0411710	IC, TC9171
Q802	22117888	IC, TC9302AF-027
Q806, 807, 814	A6012040	Transistor, RN2204
Q808	A6002040	Transistor, RN1204
Q901	A6319300	Transistor, 2SC1959NEW-Y
D001, 004, 105, 106, 402, 403, 404, 406, 702, 801, 802, 807, 809, 811 ∿ 818	A7160570	Diode, 1SS176
D002, 003	22119206	Diode, 1SV101 (PAIR)
D101, 102	A7288911	Diode, 1SV149-B (PAIR)
D901	A7110100	Diode, Zener, 05Z6.8
D902	A8603140	Diode, LED, TLR208, RED
⚠ D903	A7682012	Diode, 1B2C1
⚠ D904	A7682052	Diode, 1B2Z1

Location No.	Part No.	Description
COILS & TRANSFORMERS		
L001	22294721	Coil, FM Antenna
L002	22294750	Coil, FM Oscillator
L003	22265895	IF Transformer, FM
L101	22291188	Coil, Choke, 1.5μH
L102	22282270	Coil, SW Antenna
L103/104	22243098	Coil, Bar Antenna, LW/MW
L105	22285368	Coil, SW Oscillator
L106	22245508	Coil, LW Oscillator
L107	22245509	Coil, MW Oscillator
L108, 110	22264912	IF Transformer, AM
L109	22265912	IF Transformer, FM
L501	22235227	Coil, Tape Bias Oscillator
L801	22235285	Coil, Oscillator, DC-DC Converter
L802, 803	22291188	Coil, Choke, 1.5μH
⚠ T901	22224831	Power Transformer, Europe
⚠ T901	22224832	Power Transformer, U.K.
ELECTRICAL PARTS		
A001	22124809	Rod Antenna
W301, 302	22152628	Speaker, 120mmd
W303, 304	22152590	Speaker, 15mmd, Piezo-electric
Z001	22153377	Filter, FM RF
Z101	22153320	Filter, Ceramic, FM
Z102	22153319	Filter, Ceramic, AM
Z201	22241073	Coil, Trap, Europe
Z801	22153398	Crystal Oscillator
Z802	22104640	Liquid Crystal Display
J301/302	22198220	Jack, US-2P, Ext. Speaker L/R
J303	22198172	Jack, 3.5mmd, Headphone
J401, 402	22198212	Jack, 3.5mmd, Ext. Micro-phone
J403/404	22198220	Jack, US-2P, AUX L/R
⚠ J901	22169187	AC Socket, Europe
⚠ J901	22169188	AC Socket, U.K.

Location No.	Part No.	Description
S1	22196572	Lever Switch, Function
S2	22196572	Lever Switch, AM/FM Band Select
S3	22196231	Lever Switch, Dubbing Normal/Dubbing High
S4	22196233	Slide Switch, Record/Play-back
S5-1, 5-2,	22196493	Key Switch, UP, DOWN
S5-3, 5-4,		Key Switch, FAST, AUTO
S5-5, 5-6,		Key Switch, MEMORY, M1
S5-7, 5-8,		Key Switch, M2, M3
S5-9, 5-10		Key Switch, M4, M5
S6	22196813	Slide Switch, Beat Cut
S801, 802	22196715	Leaf Switch, Power, Tape 1/2
S803	22196323	Leaf Switch, Rec./Play
⚠ F901	22144293	Fuse, 1.6A/250V, Time Lug, Europe
⚠ F901	22144516	Fuse, 1.6A/250V, Time Lug, U.K.
EP01	22166156	Speaker Cord
EP02	22165097	Holder, Fuse

CAPACITORS

D = ±0.5pF, J = ±5%, K = ±10%, M = ±20%, Z = −20+80%
ABBREVIATIONS: CD=Ceramic Disk, BL=Barrier Layer, PP = Polypropylene, MY = Mylar, EL = Electrolytic

C001	22361150	CD, 15pF, 50V, J
C002	22349102	CD, 1000pF, 50V, K
C004	22361509	CD, 5pF, 50V, D
C005	22362391	CD, 390pF, 50V, K
C007	22309212	Trimmer, 10pF, FM Antenna
C008	22362151	CD, 150pF, 50V, K
C009	22360136	CD, 33pF, 50V, J, CH
C010	22360327	BL, 0.01mfd, 25V, M
C011	22362101	CD, 100pF, 50V, K
C012	22361209	CD, 2pF, 50V, D
C013	22349102	CD, 1000pF, 50V, K
C014	22362391	CD, 390pF, 50V, K
C020	22362391	CD, 390pF, 50V, K
C021	22362391	CD, 390pF, 50V, K
C101	22361330	CD, 33pF, 50V, J
C102	22361150	CD, 15pF, 50V, J
C103	22309212	Trimmer, 10pF, SW Antenna
C104	22321082	PP, 100pF, 50V, J

Location No.	Part No.	Description
C105/107	22309184	Trimmer, 16pF x 2, LW/MW Antenna
C108	22360331	BL, 0.047mfd, 25V, M
C109	22342103	CD, 0.01mfd, 50V, Z
C110	22342103	CD, 0.01mfd, 50V, Z
C111	22342103	CD, 0.01mfd, 50V, Z
C112	22349102	CD, 1000pF, 50V, K
C113	22483470	EL, 47mfd, 10V
C114	22360327	BL, 0.01mfd, 25V, M
C115	22360327	BL, 0.01mfd, 25V, M
C116	22483470	EL, 47mfd, 10V
C117	22360541	BL, 5600pF, 25V, K
C118	22361709	CD, 7pF, 50V, D
C119	22321048	PP, 270pF, 50V, J
C120	22360132	CD, 15pF, 50V, J, CH
C121	22360784	CD, 56pF, 50V, J CH
C122	22321053	PP, 470pF, 50V, J
C123	22361409	CD, 4pF, 50V, D
C124	22483470	EL, 47mfd, 10V
C126	22321082	PP, 100pF, 50V, J
C127	22361100	CD, 10pF, 50V, D
C128	22342103	CD, 0.01mfd, 50V, Z
C130	22361809	CD, 8pF, 50V, D
C201	22488339	EL, 3.3mfd, 50V
C203	22488108	EL, 0.1mfd, 50V
C204	22360331	BL, 0.047mfd, 25V, M
C205	22321051	PP, 390pF, 50V, J
C206	22360331	BL, 0.047mfd, 25V, M
C207, 208	22360331	BL, 0.047mfd, 25V, M
C209, 210	22360327	BL, 0.01mfd, 25V, M
C211	22342223	CD, 0.022mfd, 50V, Z
C301, 302	22488478	EL, 0.47mfd, 50V
C303, 304	22483101	EL, 100mfd, 10V
C305, 306	22349102	CD, 1000pF, 50V, K
C307, 308	22483470	EL, 47mfd, 10V
C309, 310	22371154	MY, 0.15mfd, 50V, J
C311, 312	22483102	EL, 1000mfd, 10V
C313	22483470	EL, 47mfd, 10V
C314	22342223	CD, 0.022mfd, 50V, Z
C315	22349472	CD, 4700pF, 50V, K
C401, 402	22488339	EL, 3.3mfd, 50V
C403, 404	22349152	CD, 1500pF, 50V, K
C405, 406	22488339	EL, 3.3mfd, 50V
C407, 408	22360327	BL, 0.01mfd, 25V, M
C409, 410	22483101	EL, 100mfd, 10V
C411, 412	22360329	BL, 0.022mfd, 25V, M
C413, 414	22360327	BL, 0.01mfd, 25V, M
C415, 416	22361470	CD, 47pF, 50V, J
C419, 420	22349102	CD, 1000pF, 50V, K
C426	22483470	EL, 47mfd, 10V

Location No.	Part No.	Description
C427	22483101	EL, 100mfd, 10V
C428	22360331	BL, 0.047mfd, 25V, M
C430	22483101	EL, 100mfd, 10V
C432	22488108	EL, 0.1mfd, 50V
C501	22361820	CD, 82pF, 50V, J
C502	22362391	CD, 390pF, 50V, K
C503	22371122	MY, 1200pF, 50V, J
C504	22371182	MY, 1800pF, 50V, J
C505	22483470	EL, 47mfd, 10V
C701, 702	22488339	EL, 3.3mfd, 50V
C703, 704	22488479	EL, 4.7mfd, 50V
C705, 706	22488109	EL, 1mfd, 50V
C707, 708	22360330	BL, 0.033mfd, 25V, M
C709, 710	22488338	EL, 0.33mfd, 50V
C711, 712	22360327	BL, 0.01mfd, 25V, M
C713, 714	22360333	BL, 0.1mfd, 25V, M
C715, 716	22360324	BL, 3300pF, 25V, M
C717, 718	22360330	BL, 0.033mfd, 25V, M
C719, 720	22349102	CD, 1000pF, 50V, K
C721, 722	22360329	BL, 0.022mfd, 25V, M
C723, 724	22488339	EL, 3.3mfd, 50V
C725	22485100	EL, 10mfd, 16V
C726	22488229	EL, 2.2mfd, 50V
C801	22349102	CD, 1000pF, 50V, K
C802	22349222	CD, 2200pF, 50V, K
C803	22349102	CD, 1000pF, 50V, K
C804	22360329	BL, 0.022mfd, 25V, M
C805	22349222	CD, 2200pF, 50V, K
C806	22360329	BL, 0.022mfd, 25V, M
C807	22483470	EL, 47mfd, 10V
C808	22483101	EL, 100mfd, 10V
C809	22360329	BL, 0.022mfd, 25V, M
C810, 811	22360136	CD, 33pF, 50V, J, CH
C812	22360136	CD, 33pF, 50V, J, CH
C813	22483470	EL, 47mfd, 10V
C814	22485220	EL, 22mfd, 16V
C815	22342103	CD, 0.01mfd, 50V, Z
C817	22360327	BL, 0.01mfd, 25V, M
C818	22342103	CD, 0.01mfd, 50V, Z
C819	22362391	CD, 390pF, 50V, K
C820	22349102	CD, 1000pF, 50V, K
C821	22349102	CD, 1000pF, 50V, K
C822	22342103	CD, 0.01mfd, 50V, Z
C823	22488339	EL, 3.3mfd, 50V
C824	22362391	CD, 390pF, 50V, K
C825	22349102	CD, 1000pF, 50V, K
C826	22362221	CD, 220pF, 50V, K
C827	22488478	EL, 0.47mfd, 50V

Location No.	Part No.	Description
C901	22483331	EL, 330mfd, 10V
C902	22440604	EL, 2200mfd, 16V
C903	22349102	CD, 1000pF, 50V, K
C904	22485221	EL, 220mfd, 16V
C905, 906	22342103	CD, 0.01mfd, 50V, Z

RESISTORS

Resistors are Fixed Carbon Film 1/6W, ±5% unless otherwise noted. K = 1000, M = 1000000

R001	22584153	15K ohm
R002	22584330	33 ohm
R003	22584331	330 ohm
R004	22584680	68 ohm
R005	22584104	100K ohm
R006	22584154	150K ohm
R007	22584561	560 ohm
R008	22584104	100K ohm
R101	22584104	100K ohm
R102	22584331	330 ohm
R103	22584331	330 ohm
R104	22584471	470 ohm
R105	22584104	100K ohm
R106	22584225	2.2M ohm
R107	22584101	100 ohm
R109	22584470	47 ohm
R110	22584272	2.7K ohm
R112	22584332	3.3K ohm
R113	22584104	100K ohm
R114	22584222	2.2K ohm
R115	22584333	33K ohm
R116	22584270	27 ohm
R117	22584479	4.7 ohm
R118	22584183	18K ohm
R119	22584183	18K ohm
R120	22584334	330K ohm
R201	22584123	12K ohm
R202	22584273	27K ohm
R203	22658761	10K ohm, B, Semi-fixed Variable, Free Run
R204, 205	22584471	470 ohm
R206, 207	22584473	47K ohm
R208	22584103	10K ohm
R301	22651694	50K ohm, B, Variable, Balance

Location No.	Part No.	Description
R302/303	22651693	50K ohm, B, Variable, Volume
R305, 306	22584221	220 ohm
R307, 308	22584101	100 ohm
R401, 402	22584683	68K ohm
R403, 404	22584472	4.7K ohm
R405, 406	22584221	220 ohm
R407, 408	22584183	18K ohm
R409, 410	22584102	1K ohm
R411, 412	22584225	2.2M ohm
R413, 414	22584470	47 ohm
R415, 416	22584394	390K ohm
R417, 418	22584123	12K ohm
R419, 420	22584123	12K ohm
R421, 422	22584225	2.2M ohm
R425	22584474	470K ohm
R426	22584224	220K ohm
R427	22584103	10K ohm
R428, 429	22584474	470K ohm
R430	22584225	2.2M ohm
R431	22584221	220 ohm
R432	22584103	10K ohm
R437	22584104	100K ohm
R438, 439	22584101	100 ohm
R440	22584104	100K ohm
R441	22584103	10K ohm
R443	22584104	100K ohm
R444, 445	22584153	15K ohm
R446	22584123	12K ohm
R447	22584101	100 ohm
R501	22584683	68K ohm
R502	22584102	1K ohm
R503	22584181	180 ohm
R504	22584561	560 ohm
R701, 702	22584103	10K ohm
R703-1/2	22657368	100K ohm, W, Variable, Equalizer Control
R704-1/2	22657368	100K ohm, W, Variable, Equalizer Control
R705-1/2	22657368	100K ohm, W, Variable, Equalizer Control
R706-1/2	22657368	100K ohm, W, Variable, Equalizer Control
R707-1/2	22657368	100K ohm, W, Variable, Equalizer Control
R708, 709	22584102	1K ohm
R710, 711	22584683	68K ohm
R712	22584102	1K ohm
R713, 714	22584103	10K ohm
R716	22584470	47 ohm
R717	22584153	15K ohm

Location No.	Part No.	Description
R801	22584101	100 ohm
R802	22584394	390K ohm
R803	22584122	1.2K ohm
R805	22584103	10K ohm
R806	22584154	150K ohm
R807	22584274	270K ohm
R809	22584154	150K ohm
R810	22658759	3K ohm, B, Semi-fixed Variable, Motor Speed
R811	22584101	100 ohm
R813	22584272	2.7K ohm
R814, 815	22584104	100K ohm
R816	22584470	47 ohm
R819	22584222	2.2K ohm
R820	22584102	1K ohm
R821	22584562	5.6K ohm
R822	22584824	820K ohm
R823	22584393	39K ohm
R824	22584823	82K ohm
R825	22584680	68 ohm
R826	22584332	3.3K ohm
R827	22584562	5.6K ohm
R828	22584101	100 ohm
R829	22584680	68 ohm
R830	22584561	560 ohm
R831	22584220	22 ohm
R832	22584103	10K ohm
R901	22584101	100 ohm
R902	22584471	470 ohm
R903	22584221	220 ohm

ACCESSORIES

AC01	22176541	Power Cord, Europe
AC01	22176578	Power Cord, U.K.
AC02	22908116	Owner's Manual, Europe
AC02	22908117	Owner's Manual, U.K.